VPN HSPA router
EBW-H100

Transmission technology

Shape		3G/HSPA	GSM/GPRS/EDGE	xDSL	Ethernet	WLAN	Analogue	ISDN
	DIN-Rail serial	☐	☐	☐	☐	☐	☐	☐
	DIN-Rail network	■	■	☐	☐		☐	☐
	Desktop	☐	☐				☐	☐
	19´´ Rack						☐	☐
	Embedded Module	☐	☐	☐	☐	☐	☐	☐

Mobile access to Ethernet devices

The industrial high speed router EBW-H100 combines a modem and a router in one device. It connects to the internet over mobile networks (3G/HSPA, GPRS/EDGE).

The dial-in and dial-out functionality enables remote maintenance and operation of devices in an Ethernet network.
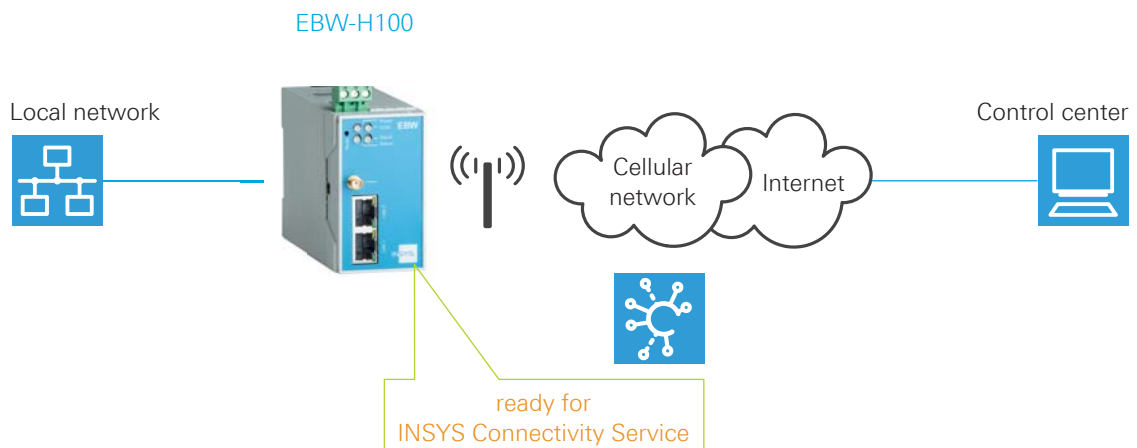
A firewall and integrated VPNs (openVPN, IPsec) care about data security.

Features

- Broadband 3G/HSPA
- Dial-in and dial-out router
- Integrated communication module
- VPN security
- 2 local Ethernet ports
- Prepared for INSYS Connectivity Service

Applications

- Access to control network with PLC, HMI, data logger
- Modem substitute for devices with Ethernet interface
- Remote desktop
- Video monitoring
- Displays

EBW-H100

Local network — EBW-H100 — Cellular network — Internet — Control center

ready for
INSYS Connectivity Service

Industrial Data Communication

Mobile Communikation	
Networks	2G: 900/1,800 MHz; CSD, GPRS/EDGE Class 12 3G: 850/800, 900, 1.900, 2.100 MHz; UMTS, HSDPA, HSUPA
Antenna	SMA connection
SIM	1 slot for SIM card
Router	
Function	Dial-In, dial-out, callback, connection management, DHCP server and client, full NAT (port forwarding, netmapping), DNS relay, dynDNS support, SNMP, NTP client and server, buffered real-time clock
Security	OpenVPN (client and server), IPsec, PPTP, MAC firewall, 10 user for dial-in, authentication over PAP/CHAP/MS-CHAP/MS-CHAP 2, dial filter for dial-out, linkloss detection, failed login detection, GRE
Redundancy	2 dial-out targets, 2 OpenVPN server targets
LAN	
Ports	2 x RJ45
Operating mode	10/100 MBit/s for full/half duplex
Function	automatic recognition patch / crossover cable, automatic speed adjustment; MDI/MDI-X
Messages	Hardware watchdog, system messages via e-mail, SMS and SNMP traps, SNMP V1/V2c/V3
Additional features	Update firmware and configuration (local und remote), daily auto update
Electrical features	
Power supply	10...48 V DC (± 20%)
Power consumption	approx. 2 W (logged in), max. 5 W (during connection)
Physical features	
Size in mm	110 l x 45 w x 70 h
Operating temperature	-30...+60 °C -30...+75 °C under limited conditions (refer to www.insys-icom.com/restricted)

Product description	Features	Order number
EBW-H100 1.0	3G/HSPA	10014545

Establish VPN connections the easy and secure way.

With the INSYS Connectivity Service!

www.insys-icom.com/connectivity

INSYS Connectivity

www.insys-icom.com